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Respectfully submitted,



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PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 4

Application Number

10/773,060

Filing Date

FEBRUARY 4, 2004

First Named Inventor

KANG SUB YIM, ET AL.

Group Art Unit

UNKNOWN

Examiner Name

UNKNOWN

Attorney Docket Number

AMAT/7034.P1/DSM/LOW K/JW

Submission Date

3/26, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6,677,253 B2	01/13/2004	Andideh, et al.	
	A2	US-6,596,627 B2	07/22/2003	Mandal	
	A3	US-6,593,655 B1	07/15/2003	Loboda, et al.	
	A4	US-6,583,071 B1	06/24/2003	Weidman, et al.	
	A5	US-6,583,048 B2	06/24/2003	Vincent, et al.	
	A6	US-6,582,777 B1	06/24/2003	Ross, et al.	
	A7	US-6,548,899 B2	04/15/2003	Ross	
	A8	US-6,541,367 B1	04/01/2003	Mandal	
	A9	US-6,524,874 B1	02/25/2003	Sukharev	
	A10	US-6,514,880 B2	02/04/2003	Matsuki, et al.	
	A11	US-6,509,259 B1	01/21/2003	Wang, et al.	
	A12	US-6,500,773 B1	12/31/2002	Gaillard, et al.	
	A13	US-6,486,082 B1	11/26/2002	Cho, et al.	
	A14	US-6,479,110 B2	11/12/2002	Grill, et al.	
	A15	US-6,455,445 B2	09/24/2002	Matsuki	
	A16	US-6,444,136 B1	09/03/2002	Liu, et al.	
	A17	US-6,441,491 B1	08/27/2002	Grill, et al.	
	A18	US-6,437,443 B1	08/20/2002	Grill, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	WO 01/61737 A1	08/23/2001	Electron Vision Corporation		
	B2	WO 01/29052 A1	04/26/2001	Allied Signal Inc.		
	B3	WO 97/00535 A1	01/03/1997	Allied Signal Inc.		
	B4	WO 99/21706 A1	05/06/1999	Quester Technology, Inc.		

Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 4

Application Number	10/773,060
Filing Date	FEBRUARY 4, 2004
First Named Inventor	KANG SUB YIM, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/7034.P1/DSM/LOW K/JW
Submission Date	3/16, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A19	US-6,432,846 B1	08/13/2002	Matsuki	
	A20	US-6,410,463 B1	06/25/2002	Matsuki	
	A21	US-6,407,399 B1	06/18/2002	Livesay	
	A22	US-6,383,955 B1	05/07/2002	Matsuki, et al.	
	A23	US-6,352,945 B1	03/05/2002	Matsuki, et al.	
	A24	US-6,340,628 B1	01/22/2002	Van Cleemput, et al.	
	A25	US-6,316,063 B1	11/13/2001	Andideh, et al.	
	A26	US-6,312,793 B1	11/06/2001	Grill, et al.	
	A27	US-6,303,047 B1	10/16/2001	Aronowitz, et al.	
	A28	US-6,271,146 B1	08/07/2001	Ross	
	A29	US-6,169,039 B1	01/02/2001	Lin, et al.	
	A30	US-6,159,871	12/12/2000	Loboda, et al.	
	A31	US-6,080,526	06/27/2000	Yang, et al.	
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	A34	US-6,054,379	04/25/2000	Yau, et al.	
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	A36	US-5,989,998	11/23/1999	Sugahara, et al.	
	A37	US-5,855,681	01/05/1999	Maydan, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B5	EP 1 354 980 A1	10/22/2003	Air Products and Chemicals, Inc.		
	B6	EP 0 935 283 A2	08/11/1999	ASM JAPAN K.K.		

Examiner

Date Considered

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Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Application Number</td> <td>10/773,060</td> </tr> <tr> <td>Filing Date</td> <td>FEBRUARY 4, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>KANG SUB YIM, ET AL.</td> </tr> <tr> <td>Group Art Unit</td> <td>UNKNOWN</td> </tr> <tr> <td>Examiner Name</td> <td>UNKNOWN</td> </tr> <tr> <td>Attorney Docket Number</td> <td>AMAT/7034.P1/DSM/LOW K/JW</td> </tr> <tr> <td>Submission Date</td> <td>3/26, 2004</td> </tr> </table>	Application Number	10/773,060	Filing Date	FEBRUARY 4, 2004	First Named Inventor	KANG SUB YIM, ET AL.	Group Art Unit	UNKNOWN	Examiner Name	UNKNOWN	Attorney Docket Number	AMAT/7034.P1/DSM/LOW K/JW	Submission Date	3/26, 2004
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Group Art Unit	UNKNOWN															
Examiner Name	UNKNOWN															
Attorney Docket Number	AMAT/7034.P1/DSM/LOW K/JW															
Submission Date	3/26, 2004															
Sheet 3	4															

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A40	US-5,554,570	09/10/1996	Maeda, et al.	
	A41	US-5,186,718	02/16/1993	Tepman, et al.	
	A42	US-5,003,178	03/26/1991	Livesay	
	A43	US-5,000,113	03/19/1991	Wang, et al.	
	A44	US-4,845,054	07/04/1989	Mitchener	
	A45	US-2004/0039219 A1	02/26/2004	Chen, et al.	
	A46	US-2004/0038514 A1	02/26/2004	Hyodo, et al.	
	A47	US-2003/0224593 A1	12/04/2003	Wong	
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	A52	US-2003/0109136 A1	06/12/2003	Shioya, et al.	
	A53	US-2003-0104689 A1	06/05/2003	Shioya, et al.	
	A54	US-2003/0104708 A1	06/05/2003	Cho, et al.	
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	A59	US-2002/0180051 A1	12/05/2002	Grill, et al.	
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	A61	US-2002/0142585 A1	10/03/2002	Mandal	
	A62	US-2002/0142579 A1	10/03/2002	Vincent, et al.	
	A63	US-2002/0098714 A1	07/25/2002	Grill, et al.	

Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	
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Examiner	Date Considered
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 4		Application Number	10/773,060
		Filing Date	FEBRUARY 4, 2004
		First Named Inventor	KANG SUB YIM, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/7034.P1/DSM/LOW K/JW
		Submission Date	3/26, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A64	US-2002/0037442 A1	03/28/2002	Grill, et al.	
	A65	US-			
	A66	US-			
	A67	US-			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	PCT International Search Report for PCT/US 03/14272 dated 01/21/2004; AMAT/7034.PC.	
	C2	PAUL KALLENDER, "Toshiba, Fujitsu Report 100-Nanometer Process Gains", EE Times, November 8, 2001. http://www.eetimes.com/story/OEG20011106S0034	

Examiner

Date Considered

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